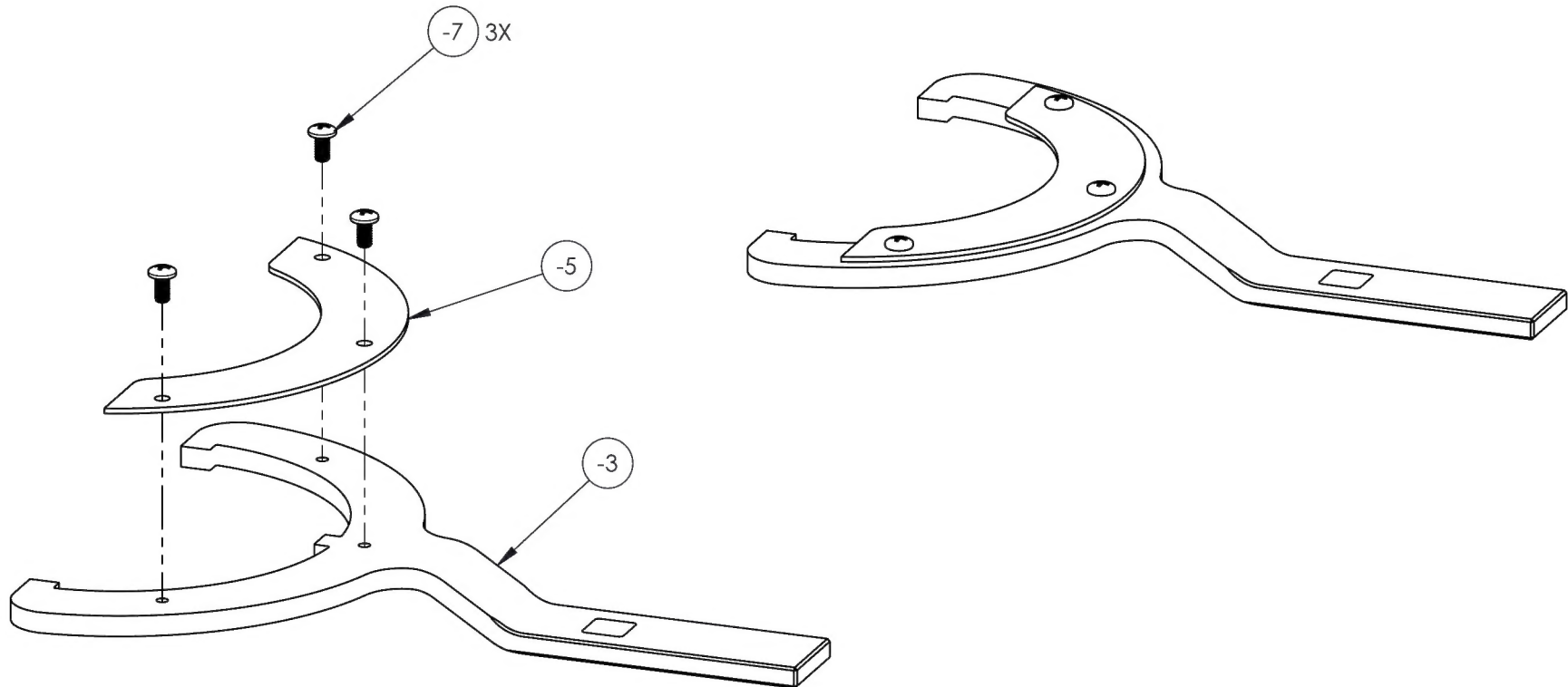


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
A		DWG No. WAS 269A9312.	2/19/90	-	-
2		SCREWS CHANGED FROM AN515-8R5	-	-	-
3		CHANGED TO ALTERNATE METHOD WITH HOLES FOR STRESS RELIEF.	10/10/2007	WP	G.E.
4		CH'D ENGRAVE NOTE.	6/9/2009	RJC	-
4A		CREATED WELDMENT & RENUMBER COMPONENTS.	9/9/2011	SE	RW
5	15-0296	UPDATED TO NEW DRAFTING STANDARDS. -3 ADDED DIM 2X .670 MIN. CH'D DIM WAS 2X .503-.511 IS 2X .503-.508.. -3 & -5 CH'D FINISH WAS BLACK OXIDE IS BLACK ZINC ASTM B633 TYPE II SC2.	9/11/2015	DPD	JAG

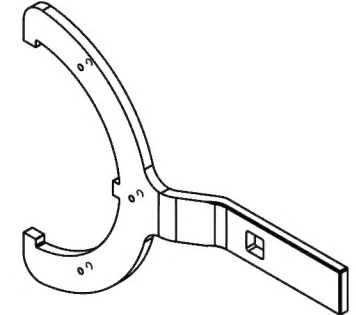
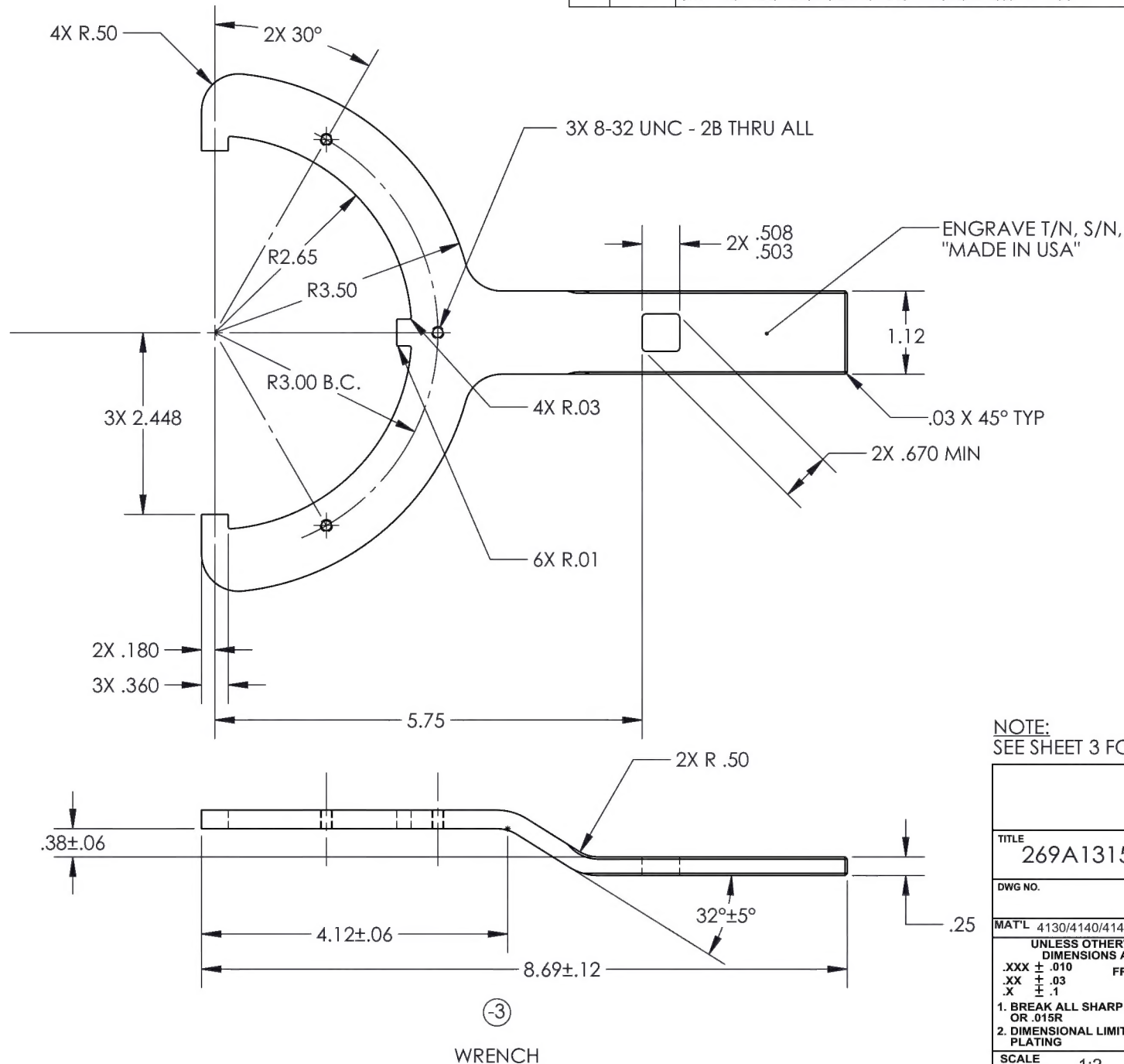


ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-3	1	WRENCH	4130/4140/4142		2/3
			-5	1	STOP	4130/4140/4142		4
		B/O	-7	3	SCREW	STEEL	8/32 X 5/16 (MCMaster-CARR #91400A191)	1

<b>DART</b> AEROSPACE	
TITLE 269A1315 NUT INSTALLATION WRENCH	
DWG NO. 269T9312	REV 5
MAT'L	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .010 .XX ± .03 .X ± .1	HEAT TREAT
FRACTIONS ± 1/8 ANGLES ± .5°	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL 269
SCALE 1:2	DATE 1/18/2012
SHEET 1 OF 4	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
5	15-0296	-3 ADDED DIM 2X .670 MIN. CH'D DIM WAS 2X .503-.511 IS 2X .503-.508. DELETED DIM 4X R.02 MAX. CH'D FINISH WAS BLACK OXIDE IS BLACK ZINC ASTM B633 TYPE II SC2.	9/11/2015	DPD	JAG

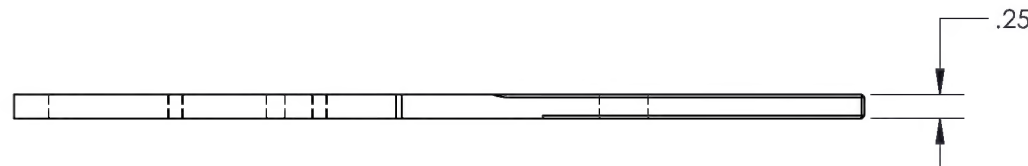
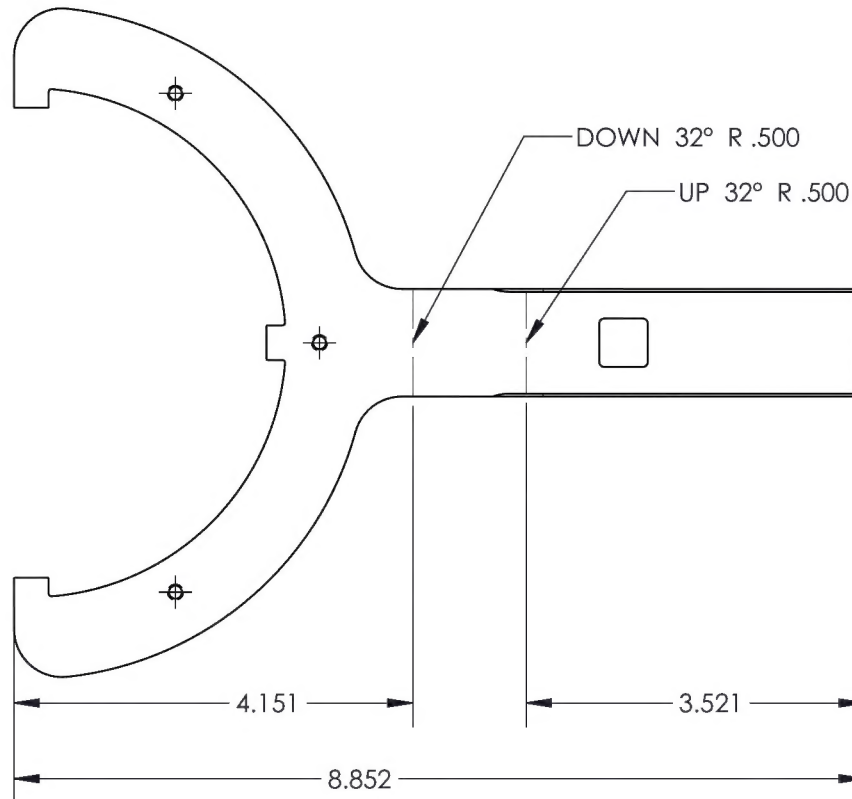


NOTE:  
SEE SHEET 3 FOR FLAT PATTERN

<b>DART</b> AEROSPACE	
TITLE 269A1315 NUT INSTALLATION WRENCH	
DWG NO. 269T9312-3	REV 5
MAT'L 4130/4140/4142	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>P. Weil</i>
.XXX ± .010	HEAT TREAT RC 36-42
.XX ± .03	FINISH BLACK ZINC
.X ± .1	SPEC ASTM B633 TYPE II SC 2
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	269
SCALE 1:2	DATE 1/18/2012
SHEET 2 OF 4	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED



FLAT PATTERN  
FOR REFERENCE ONLY

(-3)

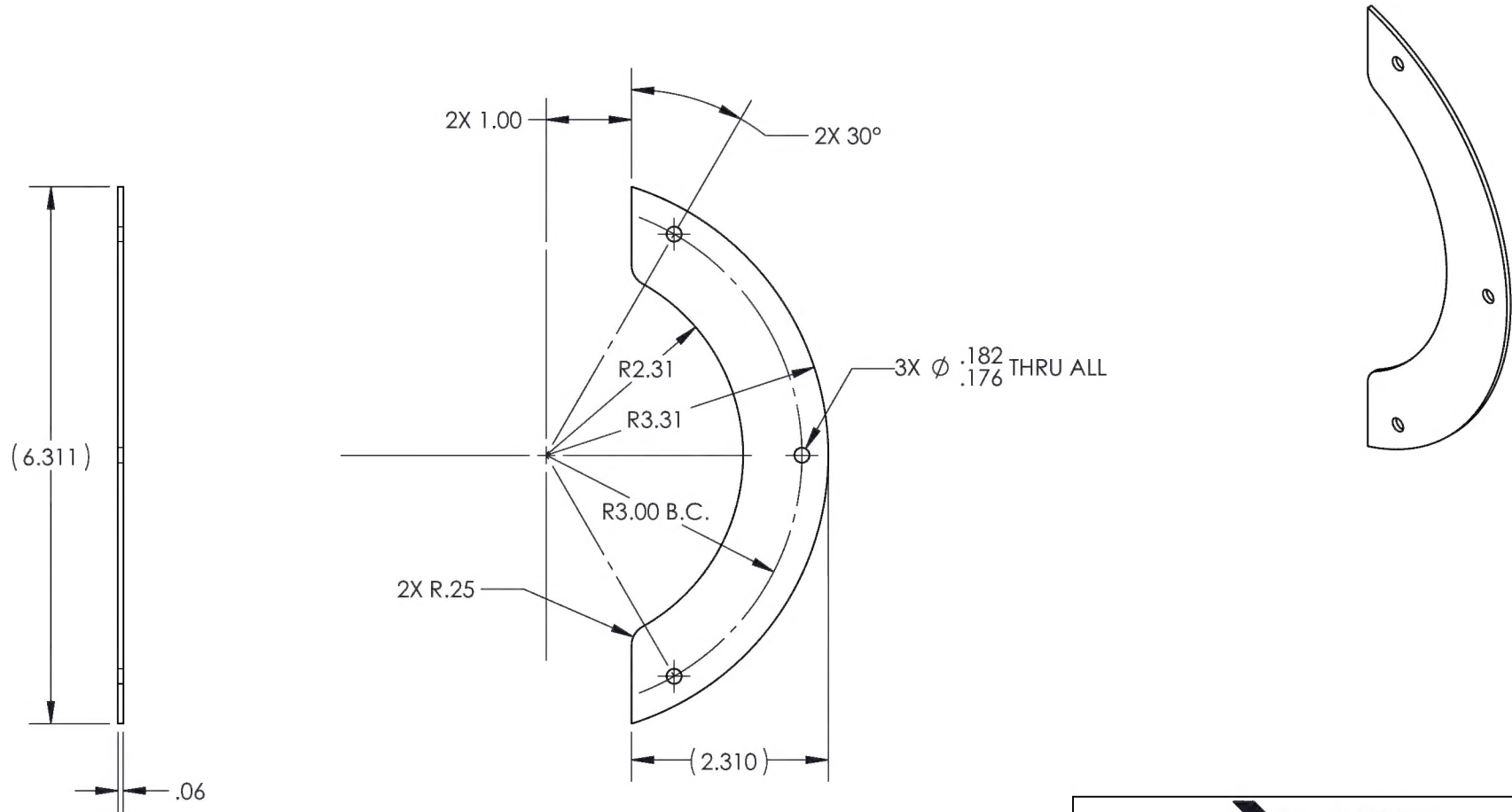
WRENCH

NOTE:  
SEE SHEET 2 FOR FOLD DETAIL.

<b>DART</b> AEROSPACE	
TITLE 269A1315 NUT INSTALLATION WRENCH	
DWG NO. 269T9312-3	REV 5
MAT'L 4130/4140/4142	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .010 FRACTIONS ± 1/8	HEAT
.XX ± .03 ANGLES ± 5°	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL 269
SCALE 1:2	DATE 1/18/2012
SHEET 3 OF 4	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
5	15-0296	-5 CH'D FINISH WAS BLACK OXIDE IS BLACK ZINC ASTM B633 TYPE II SC2.	9/11/2015	DPD	JAG



(-5)

STOP

<b>DART</b> AEROSPACE	
TITLE 269A1315 NUT INSTALLATION WRENCH	
DWG NO. 269T9312-5	REV 5
MAT'L 4130/4140/4142	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .010 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .03 ANGLES ± 5°	FINISH BLACK ZINC
.X ± .1	SPEC ASTM B633 TYPE II SC 2
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	269
SCALE 1:2	DATE 1/18/2012
SHEET 4 OF 4	